

Fig. 1

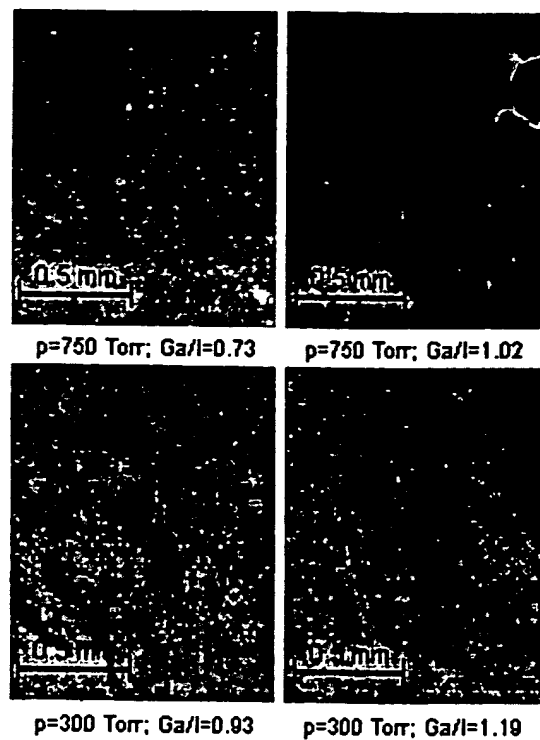


Fig. 2. The surfaces of some samples grown at different conditions under the same magnification.

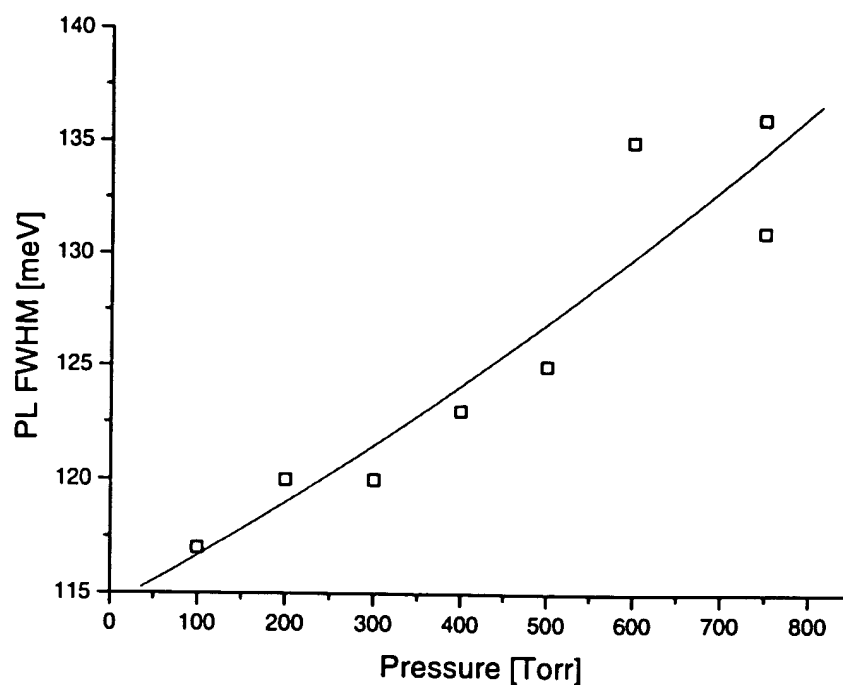


Fig. 3. The room temperature PL FWHM as a function of the ambient pressure.

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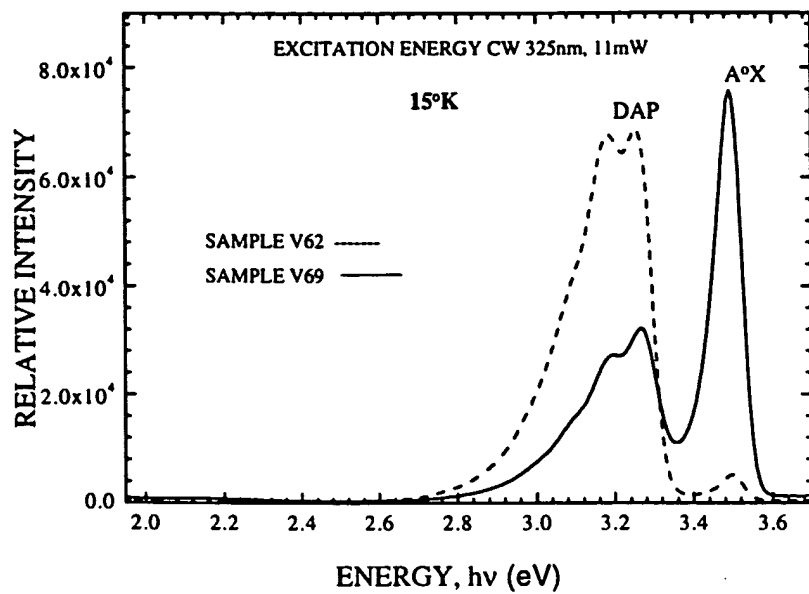


Fig. 4. Low temperature PL spectra of GaN layers grown by IVPG with H_2 carrier gas (V69 with Aeronex purifier).

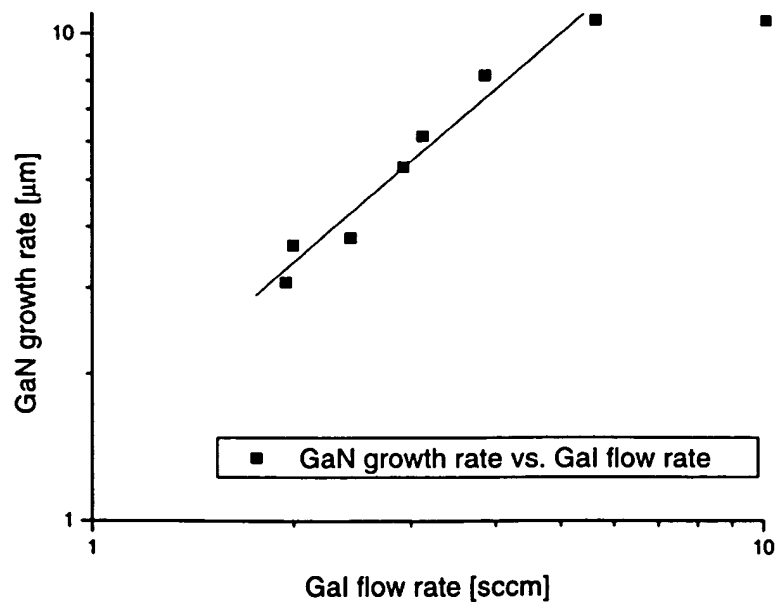


Fig. 5. The growth rate as a function of GaI flow rate